## LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1. (Original) A test handler comprising:
- a platform configured to move semiconductor devices placed on the platform from an onloading position to an offloading position along a predetermined path;
  - a transfer arm located adjacent the path; and
- a plurality of transfer heads connected to the transfer arm that are configured to pick up and transfer semiconductor devices from the platform to a testing position for testing, and thereafter to transfer the semiconductor devices from the testing position to the platform for offloading.
- 2. (Original) A test handler as claimed in claim 1, wherein the transfer arm comprises a rotary arm.
- 3. (Original) A test handler as claimed in claim 2, wherein the transfer heads connected to the transfer arm are arranged on a plane that is substantially perpendicular to the predetermined path.
- 4. (Original) A test handler as claimed in claim 1, including a device precision station positioned such that the semiconductor devices are transferred by the transfer heads to the device precision station for alignment before they are transferred to the testing position.
- 5. (Original) A test handler as claimed in claim 4, wherein the transfer heads are oriented such that when one transfer head is at the testing position, another transfer head is at a position of the device precision station.
- 6. (Original) A test handler as claimed in claim 5, wherein the testing position and device precision station are adapted such that testing of a semiconductor device at the testing position

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and alignment of another semiconductor device at the device precision station are carried out substantially concurrently.

- 7. (Original) A test handler as claimed in claim 1, wherein the transfer heads are oriented such that when one transfer head is at a position adjacent the platform, another transfer head is at the testing position.
- 8. (Original) A test handler as claimed in claim 1, wherein the platform comprises a turntable.
- 9. (Original) A test handler as claimed in claim 1, including a plurality of carriers on the platform aligned along the predetermined path, each carrier comprising multiple holders for holding multiple semiconductor devices.
- 10. (Original) A test handler as claimed in claim 1, wherein the transfer arm has a total of four transfer heads connected to it.
- 11. (Original) A test handler as claimed in claim 1, including a plurality of transfer ports connected to each transfer head, each transfer port being configured to hold one semiconductor device during transfer.
- 12. (Original) A test handler as claimed in claim 1, including a thermal insulation wall bounding a perimeter of substantially an area occupied by the platform.
- 13. (Currently Amended) A method for testing semiconductor devices with a test handler comprising the steps of:

placing the semiconductor devices onto an onloading position of a platform; moving the semiconductor devices along a predetermined path;

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picking up and transferring semiconductor devices along the path from the platform to a testing position with one of a plurality of transfer heads <u>connected to a transfer arm</u>;

testing the semiconductor devices;

transferring the semiconductor devices from the testing position to the platform; and thereafter

moving the semiconductor devices to an offloading position for removal from the platform.

- 14. (Original) A method as claimed in claim 13, wherein the transfer arm comprises a rotary arm.
- 15. (Original) A method as claimed in claim 14, wherein the transfer heads are arranged along a plane that is substantially perpendicular to the path moved by the semiconductor devices.
- 16. (Original) A method as claimed in claim 13, including the step of transferring the semiconductor devices to a device precision station and aligning the semiconductor devices before transferring the semiconductor devices to the testing position.
- 17. (Original) A method as claimed in claim 16, including testing a semiconductor device while aligning another semiconductor device for testing.
- 18. (Original) A method as claimed in claim 13, wherein the platform comprises a turntable.
- 19. (Original) A method as claimed in claim 13, including holding a plurality of semiconductor devices simultaneously during transfer to the testing position.
- 20. (Original) A method as claimed in claim 13, including bounding a perimeter of substantially an area occupied by the platform with a thermal insulation wall.

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21. (New) A test handler comprising:

a platform configured to move semiconductor devices placed on the platform from an onloading position of the platform to an offloading position of the platform along a predetermined path;

a transfer arm located adjacent the path; and

a plurality of transfer heads connected to the transfer arm that are configured to pick up and transfer semiconductor devices from the platform to a testing position for testing, and thereafter to transfer the semiconductor devices from the testing position to the platform for offloading at the offloading position of the platform.

- 22. (New) A test handler as claimed in claim 21, wherein the transfer heads connected to the transfer arm are arranged in a plane that is substantially perpendicular to a plane of the platform.
- 23. (New) A method for testing semiconductor devices with a test handler comprising the steps of:

placing the semiconductor devices onto an onloading position of a platform;
moving the semiconductor devices on the platform along a predetermined path between
the onloading position and an offloading position of the platform;

picking up and transferring semiconductor devices along the path from the platform to a testing position with one of a plurality of transfer heads connected to a transfer arm;

testing the semiconductor devices;

transferring the semiconductor devices from the testing position to the platform; and thereafter

moving the semiconductor devices to the offloading position for removal from the platform.

24. (New) A method as claimed in claim 23, wherein the transfer heads are arranged along a plane that is substantially perpendicular to a plane of the platform.